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(54) Title: PROCESS FOR THE PREPARATION OF QUATERNARY N-ALKYL MORPHINAN ALKALOID SALTS

(57) Abstract: A process for the preparation of a quaternary derivative of the morphinan alkaloid, the process comprising contacting a tertiary N-substituted morphinan alkaloid with an alkyl halide in an anhydrous solvent system, wherein the solvent system comprises an aprotic dipolar solvent with the aprotic dipolar solvent constituting at least 25 wt% of the solvent system.

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INTERNATIONAL SEARCH REPORT

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 176 186 A (GOLDBERG LEON I ET AL) 27 November 1979 (1979-11-27) cited in the application *complete document *	1
E	WO 2004/005294 A (GREINER ELISABETH ; SCHMIDHAMMER HELMUT (AT); SAILER BETTINA (AT); SPE) 15 January 2004 (2004-01-15) examples 43-48,50,51	1

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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WO 2004005294	A	15-01-2004	DE	10229842 A1	05-02-2004
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